

I Claim:

1. A data transmission system based on a Bluetooth standard, the data transmission system comprising:

a primary terminal;

a first group of secondary terminals, data packets being interchanged by radio between said primary terminal and said first group of secondary terminals with a first address of said primary terminal being used for connection identification; and

a second group of said secondary terminals, data packets being interchanged by radio between said primary terminal and said second group of said secondary terminals with a second address of said primary terminal being used for connection identification.

2. The data transmission system according to claim 1, wherein the first address and the second address differ in at least one bit.

3. The data transmission system according to claim 2, wherein the at least one bit in which the first address and the second address differ is situated in a prescribed address field.

4. The data transmission system according to claim 3, wherein the at least one bit in which the first address and the second address differ is a least significant bit in the prescribed address field.

5. The data transmission system according to claim 1, wherein said first group of said secondary terminals and said second group of said secondary terminals each have up to seven of said secondary terminals.

6. The data transmission system according to claim 1, wherein the data packet contains identification information for indicating a respective group with which the data packet is to be interchanged with.

7. The data transmission system according to claim 1, wherein said first group of said secondary terminals and said second group of said secondary terminals have devices for stipulating their membership to said first group of said secondary terminals or said second group of said secondary terminals.

8. The data transmission system according to claim 1, wherein the data transmission system can be used in digital cordless communication systems and in computer-controlled systems with peripheral devices.

9. The data transmission system according to claim 1, wherein said primary terminal has a first address and a second address.

10. The data transmission system according to claim 3, wherein the prescribed address field is a lower address part of an address field.

11. A primary terminal configuration for a data transmission system, the primary terminal configuration comprising:

a primary terminal having a first address and a second address.